

Converting Colors

$Y_{xy}(18.9674, 0.2709, 0.3025)$

Have a look what the booklet for
Yxy(18.9674, 0.2709, 0.3025)
contains.

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Color

Yxy(18.9029, 0.2704, 0.3018)

Conversions

Conversions Part 1

Format	Color
Hex	637C8A
RGB	99, 124, 138
RGB Percent	39%, 49%, 54%
CMY	0.6119, 0.5137, 0.4589
CMYK	0.28, 0.10, 0.00, 0.46
HSL	201°, 16%, 46%
HSV	201°, 28%, 54%
XYZ	16.9362, 18.9029, 26.7948
YIQ	118.1210, -19.3940, -0.9460

Conversions

Conversions Part 2

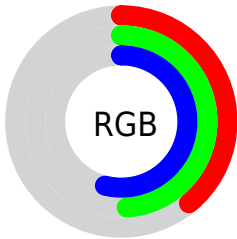
Format	Color
R_{YB}	99, 114, 138
Decimal	6519946
CIE _{Lab}	50.57, -5.59, -10.55
CIE _{LCh}	51, 11.941, 242.064
Yxy	18.9029, 0.2704, 0.3018
Android (android.graphics.Color)	4284710026 (0xFF637C8A)
YUV	118.1210, 9.8003, -16.7691
Hunter-Lab	43.4775, -6.5527, -6.1057

Details

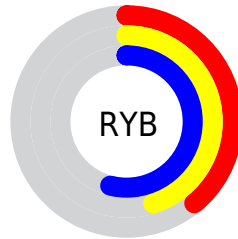
The Yxy color **18.9029, 0.2704, 0.3018** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.0964, 0.3650, 0.3546**, and the grayscale version is **18.1276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3916, 0.2805, 0.3080**, and **6.4405, 0.2535, 0.2893** is the 20% darker color. If you saturate the color by 10%, you get **16.9847, 0.2557, 0.2905**, and if you desaturate by 10%, it is **21.0174, 0.2854, 0.3122**.

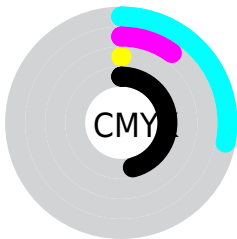
Distribution



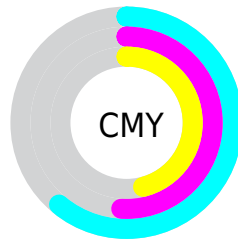
- Red (39%)
- Green (49%)
- Blue (54%)



- Red (39%)
- Yellow (45%)
- Blue (54%)



- Cyan (28%)
- Magenta (10%)
- Yellow (0%)
- Black (46%)



- Cyan (61%)
- Magenta (51%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.9029, 0.2704, 0.3018 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 18.9029, 0.2704, 0.3018 by changing the saturation by 10% instead.

■ 18.9029, 0.2704,
0.3018

■ 18.9029, 0.2704,
0.3018

■ 245.9122, 0.2944,
0.3176

■ 11.6001, 0.2632,
0.2969

■ 41.5700, 0.2799,
0.3082

■ 6.4720, 0.2531,
0.2899

■ 57.7030, 0.2833,
0.3104

■ 3.1342, 0.2379,
0.2790

■ 77.5484, 0.2860,
0.3122

■ 1.2022, 0.2127,
0.2601

■ 101.4903, 0.2882,
0.3136

■ 0.0635, 0.0000,
0.0730

■ 129.9133, 0.2902,
0.3149

■ 0.0000, 0.0000,
0.0000

163.2016, 0.2918,

0.3159

201.7398, 0.2932,
0.3168

■ 18.9029, 0.2704,
0.3018

■ 18.9029, 0.2704,
0.3018

■ 16.9847, 0.2557,
0.2905

■ 21.0174, 0.2854,
0.3122

■ 15.2529, 0.2418,
0.2784

■ 23.3332, 0.3004,
0.3218

■ 13.7000, 0.2288,
0.2657

■ 25.8576, 0.3152,
0.3304

■ 12.3170, 0.2172,
0.2526

■ 28.5972, 0.3297,
0.3382

■ 11.0937, 0.2073,
0.2392

■ 31.5578, 0.3436,
0.3451

■ 10.0187, 0.1992,
0.2258

■ 34.7455, 0.3569,
0.3512

■ 9.0675, 0.1929,
0.2126

■ 38.1657, 0.3696,
0.3565

■ 8.9111, 0.1918,
0.2103

■ 41.8237, 0.3815,
0.3612

■ 45.7248, 0.3927,
0.3654

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.9029, 0.2724, 0.3192



18.9029, 0.2704, 0.3018



18.9029, 0.2792, 0.2924

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



18.9029, 0.2704, 0.3018



18.9029, 0.3409, 0.3174



18.9029, 0.3275, 0.3684

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



18.9029, 0.2704, 0.3018



18.0964, 0.3650, 0.3546

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



18.9029, 0.3467, 0.3664



18.9029, 0.2704, 0.3018



18.9029, 0.3548, 0.3364

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



18.9029, 0.2704, 0.3018



18.9029, 0.3195, 0.3016



18.9029, 0.3568, 0.3543



18.9029, 0.3048, 0.3588

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



18.9029, 0.2704, 0.3018



18.9029, 0.2902, 0.2915



18.9029, 0.3568, 0.3543



18.9029, 0.3346, 0.3690

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



18.9037, 0.2704, 0.3018



41.1866, 0.3006, 0.3219



22.0066, 0.2961, 0.3791



9.1095, 0.2986, 0.3207



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.9037, 0.2704, 0.3018



31.1103, 0.2609, 0.2946



14.5497, 0.2665, 0.2627



5.3924, 0.2991, 0.3210



8.2002, 0.1919, 0.2108



0.0823, 0.2083, 0.2699

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



15.7733, 0.3348, 0.2843



24.8630, 0.3413, 0.2738



22.8401, 0.3563, 0.3876



5.0991, 0.3188, 0.3151



5.6120, 0.4332, 0.2160



0.0401, 0.3729, 0.1828

Previews

White Background



This preview shows how the Yxy color 18.9029, 0.2704, 0.3018 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.9029, 0.2704, 0.3018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

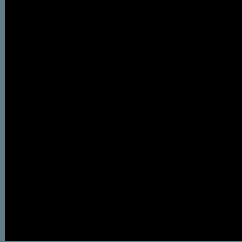
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

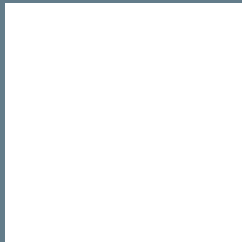
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.9029, 0.2704, 0.3018

Background



This preview shows how black text looks on a background with the Yxy color 18.9029, 0.2704, 0.3018.



This preview shows how white text looks on a background with the Yxy color 18.9029, 0.2704, 0.3018.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

18.9029, 0.2704, 0.3018

Protanopia

18.7945, 0.2936, 0.2992

Deuteranopia

18.7976, 0.2951, 0.2891



Tritanopia

19.0132, 0.2724, 0.3093

Trichromacy



Original Color

18.9029, 0.2704, 0.3018

Protanomaly

18.8318, 0.2847, 0.3006

Deuteranomaly

18.8744, 0.2849, 0.2936

Tritanomaly

19.0415, 0.2715, 0.3074

Monochromacy



Original Color

18.9029, 0.2704, 0.3018

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.2931, 0.2962, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9029, 0.2704, 0.3018 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(99, 124, 138) looks like.

```
.text, #text, p{  
    color:rgb(99, 124, 138)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(99, 124, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 124, 138) }
```

Border

The CSS property to change the border of an element to Yxy 18.9029, 0.2704, 0.3018 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(99, 124, 138) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(99, 124, 138) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(99, 124, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 124, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 124, 138);  
box-shadow:4px 4px 4px 4px rgb(99, 124,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9029, 0.2704, 0.3018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 124, 138) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(99, 124,  
138) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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